

# Sha Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

158  
papers

18,896  
citations

7251

80  
h-index

14012

133  
g-index

158  
all docs

158  
docs citations

158  
times ranked

17963  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilization of cadmium in contaminated sediment based on a nanoremediation strategy: Environmental impacts and mechanisms. <i>Chemosphere</i> , 2022, 287, 132363.	4.2	19
2	Recent progress of noble metals with tailored features in catalytic oxidation for organic pollutants degradation. <i>Journal of Hazardous Materials</i> , 2022, 422, 126950.	6.5	49
3	The combined toxicity and mechanism of multi-walled carbon nanotubes and nano copper oxide toward freshwater algae: <i>Tetrademus obliquus</i> . <i>Journal of Environmental Sciences</i> , 2022, 112, 376-387.	3.2	17
4	Environmentally persistent free radicals in bismuth-based metal-organic layers derivatives: Photodegradation of pollutants and mechanism unravelling. <i>Chemical Engineering Journal</i> , 2022, 430, 133026.	6.6	23
5	Research progress of microplastics in soil-plant system: Ecological effects and potential risks. <i>Science of the Total Environment</i> , 2022, 812, 151487.	3.9	87
6	Layered double hydroxide based materials applied in persulfate based advanced oxidation processes: Property, mechanism, application and perspectives. <i>Journal of Hazardous Materials</i> , 2022, 424, 127612.	6.5	62
7	Biochar in the 21st century: A data-driven visualization of collaboration, frontier identification, and future trend. <i>Science of the Total Environment</i> , 2022, 818, 151774.	3.9	60
8	Uniform polypyrrole electrodeposition triggered by phytic acid-guided interface engineering for high energy density flexible supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 356-365.	5.0	24
9	Metallic Co and crystalline Co-Mo oxides supported on graphite felt for bifunctional electrocatalytic hydrogen evolution and urea oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 413-423.	5.0	30
10	Presence of polystyrene microplastics in Cd contaminated water promotes Cd removal by nano zero-valent iron and ryegrass ( <i>Lolium Perenne L.</i> ). <i>Chemosphere</i> , 2022, 303, 134729.	4.2	15
11	Cobalt Single Atoms Anchored on Oxygen-Doped Tubular Carbon Nitride for Efficient Peroxymonosulfate Activation: Simultaneous Coordination Structure and Morphology Modulation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	97
12	Cobalt Single Atoms Anchored on Oxygen-Doped Tubular Carbon Nitride for Efficient Peroxymonosulfate Activation: Simultaneous Coordination Structure and Morphology Modulation. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	25
13	Progress and challenges of metal-organic frameworks-based materials for SR-AOPs applications in water treatment. <i>Chemosphere</i> , 2021, 263, 127672.	4.2	138
14	Surface and interface engineering of two-dimensional bismuth-based photocatalysts for ambient molecule activation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 196-233.	5.2	50
15	Nanoscale zerovalent iron, carbon nanotubes and biochar facilitated the phytoremediation of cadmium contaminated sediments by changing cadmium fractions, sediments properties and bacterial community structure. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111510.	2.9	45
16	Carbon Dots-Decorated Carbon-Based Metal-Free Catalysts for Electrochemical Energy Storage. <i>Small</i> , 2021, 17, e2002998.	5.2	27
17	Topological transformation of bismuth vanadate into bismuth oxychloride: Band-gap engineering of ultrathin nanosheets with oxygen vacancies for efficient molecular oxygen activation. <i>Chemical Engineering Journal</i> , 2021, 420, 127573.	6.6	37
18	Microplastics and nanoplastics in the environment: Macroscopic transport and effects on creatures. <i>Journal of Hazardous Materials</i> , 2021, 407, 124399.	6.5	200

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19	Strategies for enhancing the perylene diimide photocatalytic degradation activity: method, effect factor, and mechanism. <i>Environmental Science: Nano</i> , 2021, 8, 602-618.	2.2	39
20	Jointed Synchronous Photocatalytic Oxidation and Chromate Reduction Enabled by the Defect Distribution upon BiVO <sub>4</sub> : Mechanism Insight and Toxicity Assessment. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 17586-17598.	4.0	39
21	Catalyst-free activation of permanganate under visible light irradiation for sulfamethazine degradation: Experiments and theoretical calculation. <i>Water Research</i> , 2021, 194, 116915.	5.3	124
22	MXenes as Superexcellent Support for Confining Single Atom: Properties, Synthesis, and Electrocatalytic Applications. <i>Small</i> , 2021, 17, e2007113.	5.2	52
23	Remediation of Cd-Contaminated Soil by Modified Nanoscale Zero-Valent Iron: Role of Plant Root Exudates and Inner Mechanisms. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5887.	1.2	11
24	A novel multifunctional platform based on ITO/APTES/ErGO/AuNPs for long-term cell culture and real-time biomolecule monitoring. <i>Talanta</i> , 2021, 228, 122232.	2.9	7
25	Visual Method for Selective Detection of Hg <sup>2+</sup> Based on the Competitive Interactions of 2-Thiobarbituric Acid with Au Nanoparticles and Hg <sup>2+</sup> . <i>ACS Applied Nano Materials</i> , 2021, 4, 6760-6767.	2.4	15
26	Stabilization of lead in polluted sediment based on an eco-friendly amendment strategy: Microenvironment response mechanism. <i>Journal of Hazardous Materials</i> , 2021, 415, 125534.	6.5	23
27	PDI Supermolecule-Encapsulated 3D BiVO <sub>4</sub> toward Unobstructed Interfacial Charge Transfer for Enhanced Visible-Light Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18693-18707.	1.5	8
28	Spinel ferrites (MFe <sub>2</sub> O <sub>4</sub> ): Synthesis, improvement and catalytic application in environment and energy field. <i>Advances in Colloid and Interface Science</i> , 2021, 294, 102486.	7.0	159
29	Phytoremediation of poly- and perfluoroalkyl substances: A review on aquatic plants, influencing factors, and phytotoxicity. <i>Journal of Hazardous Materials</i> , 2021, 418, 126314.	6.5	36
30	Microplastics retention by reeds in freshwater environment. <i>Science of the Total Environment</i> , 2021, 790, 148200.	3.9	63
31	Boron nitride quantum dots decorated MIL-100(Fe) for boosting the photo-generated charge separation in photocatalytic refractory antibiotics removal. <i>Environmental Research</i> , 2021, 202, 111661.	3.7	21
32	Interactions between microplastics/nanoplastics and vascular plants. <i>Environmental Pollution</i> , 2021, 290, 117999.	3.7	123
33	Hierarchical urchin-like amorphous carbon with Co-adding anchored on nickel foam: A free-standing electrode for advanced asymmetrical supercapacitors and adsorbed Pb (II). <i>Journal of Colloid and Interface Science</i> , 2021, 603, 58-69.	5.0	9
34	Oxygen vacancy-rich doped CDs@graphite felt-600 heterostructures for high-performance supercapacitor electrodes. <i>Nanoscale</i> , 2021, 13, 4995-5005.	2.8	15
35	Design of an amorphous and defect-rich CoMoOF layer as a pH-universal catalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8730-8739.	5.2	38
36	Polyoxometalate@Metal-Organic Framework Composites as Effective Photocatalysts. <i>ACS Catalysis</i> , 2021, 11, 13374-13396.	5.5	121

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37	Recent development of advanced biotechnology for wastewater treatment. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 99-118.	5.1	35
38	Distorted polymeric carbon nitride via carriers transfer bridges with superior photocatalytic activity for organic pollutants oxidation and hydrogen production under visible light. <i>Journal of Hazardous Materials</i> , 2020, 386, 121947.	6.5	95
39	Facet-Engineered Surface and Interface Design of Monoclinic Scheelite Bismuth Vanadate for Enhanced Photocatalytic Performance. <i>ACS Catalysis</i> , 2020, 10, 1024-1059.	5.5	105
40	Semiconductor-based photocatalysts for photocatalytic and photoelectrochemical water splitting: will we stop with photocorrosion?. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2286-2322.	5.2	251
41	Recent advances in application of graphitic carbon nitride-based catalysts for degrading organic contaminants in water through advanced oxidation processes beyond photocatalysis: A critical review. <i>Water Research</i> , 2020, 184, 116200.	5.3	343
42	Megamerger of MOFs and g-C <sub>3</sub> N <sub>4</sub> for energy and environment applications: upgrading the framework stability and performance. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17883-17906.	5.2	48
43	Recent advances in two-dimensional nanomaterials for photocatalytic reduction of CO <sub>2</sub> : insights into performance, theories and perspective. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19156-19195.	5.2	101
44	Biochar-mediated Fenton-like reaction for the degradation of sulfamethazine: Role of environmentally persistent free radicals. <i>Chemosphere</i> , 2020, 255, 126975.	4.2	92
45	Unravelling the role of dual quantum dots cocatalyst in OD/2D heterojunction photocatalyst for promoting photocatalytic organic pollutant degradation. <i>Chemical Engineering Journal</i> , 2020, 396, 125343.	6.6	132
46	Activation of persulfate by graphitized biochar for sulfamethoxazole removal: The roles of graphitic carbon structure and carbonyl group. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 419-430.	5.0	94
47	Hybrid architectures based on noble metals and carbon-based dots nanomaterials: A review of recent progress in synthesis and applications. <i>Chemical Engineering Journal</i> , 2020, 399, 125743.	6.6	70
48	In Situ Grown Single-Atom Cobalt on Polymeric Carbon Nitride with Bidentate Ligand for Efficient Photocatalytic Degradation of Refractory Antibiotics. <i>Small</i> , 2020, 16, e2001634.	5.2	235
49	A novel Fe-hemin-metal organic frameworks supported on chitosan-reduced graphene oxide for real-time monitoring of H <sub>2</sub> O <sub>2</sub> released from living cells. <i>Analytica Chimica Acta</i> , 2020, 1128, 90-98.	2.6	28
50	Recent advances in conjugated microporous polymers for photocatalysis: designs, applications, and prospects. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6434-6470.	5.2	140
51	Graphdiyne: A Rising Star of Electrocatalyst Support for Energy Conversion. <i>Advanced Energy Materials</i> , 2020, 10, 2000177.	10.2	100
52	Removal of Sulfamethoxazole in Aqueous Solutions by Iron-Based Advanced Oxidation Processes: Performances and Mechanisms. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	11
53	Megamerger of biosorbents and catalytic technologies for the removal of heavy metals from wastewater: Preparation, final disposal, mechanism and influencing factors. <i>Journal of Environmental Management</i> , 2020, 261, 109879.	3.8	60
54	Interface modulation of Mo <sub>2</sub> C@foam nickel <i>via</i> MoS <sub>2</sub> quantum dots for the electrochemical oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15074-15085.	5.2	25

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55	Silver-based semiconductor Z-scheme photocatalytic systems for environmental purification. <i>Journal of Hazardous Materials</i> , 2020, 390, 122128.	6.5	122
56	Unravelling the interfacial charge migration pathway at atomic level in 2D/2D interfacial Schottky heterojunction for visible-light-driven molecular oxygen activation. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118650.	10.8	150
57	Sustainable hydrogen production by molybdenum carbide-based efficient photocatalysts: From properties to mechanism. <i>Advances in Colloid and Interface Science</i> , 2020, 279, 102144.	7.0	55
58	Strategy to improve gold nanoparticles loading efficiency on defect-free high silica ZSM-5 zeolite for the reduction of nitrophenols. <i>Chemosphere</i> , 2020, 256, 127083.	4.2	57
59	Degradation of sulfamethazine by biochar-supported bimetallic oxide/persulfate system in natural water: Performance and reaction mechanism. <i>Journal of Hazardous Materials</i> , 2020, 398, 122816.	6.5	133
60	How does the microenvironment change during the stabilization of cadmium in exogenous remediation sediment?. <i>Journal of Hazardous Materials</i> , 2020, 398, 122836.	6.5	21
61	Dugongs under threat. <i>Science</i> , 2019, 365, 552-552.	6.0	7
62	Visible-light-driven photocatalytic degradation of sulfamethazine by surface engineering of carbon nitride: Properties, degradation pathway and mechanisms. <i>Journal of Hazardous Materials</i> , 2019, 380, 120815.	6.5	131
63	Hierarchical porous carbon material restricted Au catalyst for highly catalytic reduction of nitroaromatics. <i>Journal of Hazardous Materials</i> , 2019, 380, 120864.	6.5	110
64	Chloro-phosphate impregnated biochar prepared by co-precipitation for the lead, cadmium and copper synergic scavenging from aqueous solution. <i>Bioresource Technology</i> , 2019, 293, 122102.	4.8	50
65	Recent advances in covalent organic frameworks (COFs) as a smart sensing material. <i>Chemical Society Reviews</i> , 2019, 48, 5266-5302.	18.7	630
66	Multiple charge-carrier transfer channels of Z-scheme bismuth tungstate-based photocatalyst for tetracycline degradation: Transformation pathways and mechanism. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 770-782.	5.0	45
67	Covalent triazine frameworks for carbon dioxide capture. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22848-22870.	5.2	106
68	Ultrathin oxygen-vacancy abundant WO <sub>3</sub> decorated monolayer Bi <sub>2</sub> WO <sub>6</sub> nanosheet: A 2D/2D heterojunction for the degradation of Ciprofloxacin under visible and NIR light irradiation. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 557-567.	5.0	89
69	A fantastic two-dimensional MoS <sub>2</sub> material based on the inert basal planes activation: Electronic structure, synthesis strategies, catalytic active sites, catalytic and electronics properties. <i>Coordination Chemistry Reviews</i> , 2019, 399, 213020.	9.5	101
70	Roles of multiwall carbon nanotubes in phytoremediation: cadmium uptake and oxidative burst in <i>Boehmeria nivea</i> (L.) Gaudich. <i>Environmental Science: Nano</i> , 2019, 6, 851-862.	2.2	34
71	Adsorption behavior of engineered carbons and carbon nanomaterials for metal endocrine disruptors: Experiments and theoretical calculation. <i>Chemosphere</i> , 2019, 222, 184-194.	4.2	157
72	Black Phosphorus, a Rising Star 2D Nanomaterial in the Post-Graphene Era: Synthesis, Properties, Modifications, and Photocatalysis Applications. <i>Small</i> , 2019, 15, e1804565.	5.2	244

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73	Degradation of naphthalene with magnetic bio-char activate hydrogen peroxide: Synergism of bio-char and Fe-Mn binary oxides. <i>Water Research</i> , 2019, 160, 238-248.	5.3	335
74	How do proteins response to common carbon nanomaterials?. <i>Advances in Colloid and Interface Science</i> , 2019, 270, 101-107.	7.0	13
75	Effects of typical engineered nanomaterials on 4-nonylphenol degradation in river sediment: based on bacterial community and function analysis. <i>Environmental Science: Nano</i> , 2019, 6, 2171-2184.	2.2	8
76	Peroxidase-Like Activity of Smart Nanomaterials and Their Advanced Application in Colorimetric Glucose Biosensors. <i>Small</i> , 2019, 15, e1900133.	5.2	145
77	Decontamination of lead and tetracycline from aqueous solution by a promising carbonaceous nanocomposite: Interaction and mechanisms insight. <i>Bioresource Technology</i> , 2019, 283, 277-285.	4.8	98
78	Synergistic effect of artificial enzyme and 2D nano-structured Bi <sub>2</sub> WO <sub>6</sub> for eco-friendly and efficient biomimetic photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 52-62.	10.8	340
79	Fabrication of novel magnetic MnFe <sub>2</sub> O <sub>4</sub> /bio-char composite and heterogeneous photo-Fenton degradation of tetracycline in near neutral pH. <i>Chemosphere</i> , 2019, 224, 910-921.	4.2	287
80	Effects of multi-walled carbon nanotubes on metal transformation and natural organic matters in riverine sediment. <i>Journal of Hazardous Materials</i> , 2019, 374, 459-468.	6.5	27
81	Immobilized laccase on bentonite-derived mesoporous materials for removal of tetracycline. <i>Chemosphere</i> , 2019, 222, 865-871.	4.2	121
82	Biochar facilitated the phytoremediation of cadmium contaminated sediments: Metal behavior, plant toxicity, and microbial activity. <i>Science of the Total Environment</i> , 2019, 666, 1126-1133.	3.9	122
83	In-situ deposition of gold nanoparticles onto polydopamine-decorated g-C <sub>3</sub> N <sub>4</sub> for highly efficient reduction of nitroaromatics in environmental water purification. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 357-369.	5.0	200
84	Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. <i>Chemical Society Reviews</i> , 2019, 48, 488-516.	18.7	564
85	Colorimetric determination of mercury(II) using gold nanoparticles and double ligand exchange. <i>Mikrochimica Acta</i> , 2019, 186, 31.	2.5	38
86	Immobilizing laccase on kaolinite and its application in treatment of malachite green effluent with the coexistence of Cd (II). <i>Chemosphere</i> , 2019, 217, 843-850.	4.2	51
87	Cr(VI) removal from aqueous solution using biochar modified with Mg/Al-layered double hydroxide intercalated with ethylenediaminetetraacetic acid. <i>Bioresource Technology</i> , 2019, 276, 127-132.	4.8	191
88	Deciphering the Fenton-reaction-aid lignocellulose degradation pattern by Phanerochaete chrysosporium with ferroferric oxide nanomaterials: Enzyme secretion, straw humification and structural alteration. <i>Bioresource Technology</i> , 2019, 276, 335-342.	4.8	41
89	Synthetic strategies and application of gold-based nanocatalysts for nitroaromatics reduction. <i>Science of the Total Environment</i> , 2019, 652, 93-116.	3.9	44
90	Fabrication of CuS/BiVO <sub>4</sub> (004) binary heterojunction photocatalysts with enhanced photocatalytic activity for Ciprofloxacin degradation and mechanism insight. <i>Chemical Engineering Journal</i> , 2019, 358, 891-902.	6.6	401

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91	Nanoscale zero-valent iron assisted phytoremediation of Pb in sediment: Impacts on metal accumulation and antioxidative system of <i>Lolium perenne</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 153, 229-237.	2.9	118
92	Remediation of contaminated soils by enhanced nanoscale zero valent iron. <i>Environmental Research</i> , 2018, 163, 217-227.	3.7	181
93	Rational Design of Carbon-Doped Carbon Nitride/ $\text{Bi}_{12}\text{O}_{17}\text{Cl}_2$ Composites: A Promising Candidate Photocatalyst for Boosting Visible-Light-Driven Photocatalytic Degradation of Tetracycline. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6941-6949.	3.2	196
94	A novel biosorbent prepared by immobilized <i>Bacillus licheniformis</i> for lead removal from wastewater. <i>Chemosphere</i> , 2018, 200, 173-179.	4.2	81
95	“Gold rush” in modern science: Fabrication strategies and typical advanced applications of gold nanoparticles in sensing. <i>Coordination Chemistry Reviews</i> , 2018, 359, 1-31.	9.5	261
96	Cadmium immobilization in river sediment using stabilized nanoscale zero-valent iron with enhanced transport by polysaccharide coating. <i>Journal of Environmental Management</i> , 2018, 210, 191-200.	3.8	77
97	In Situ Grown $\text{AgI/Bi}_{12}\text{O}_{17}\text{Cl}_2$ Heterojunction Photocatalysts for Visible Light Degradation of Sulfamethazine: Efficiency, Pathway, and Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4174-4184.	3.2	249
98	Preparation of water-compatible molecularly imprinted thiol-functionalized activated titanium dioxide: Selective adsorption and efficient photodegradation of 2, 4-dinitrophenol in aqueous solution. <i>Journal of Hazardous Materials</i> , 2018, 346, 113-123.	6.5	146
99	Remediation of lead-contaminated sediment by biochar-supported nano-chlorapatite: Accompanied with the change of available phosphorus and organic matters. <i>Journal of Hazardous Materials</i> , 2018, 348, 109-116.	6.5	128
100	High adsorption of methylene blue by salicylic acid-methanol modified steel converter slag and evaluation of its mechanism. <i>Journal of Colloid and Interface Science</i> , 2018, 515, 232-239.	5.0	96
101	Pyrolysis and reutilization of plant residues after phytoremediation of heavy metals contaminated sediments: For heavy metals stabilization and dye adsorption. <i>Bioresource Technology</i> , 2018, 253, 64-71.	4.8	214
102	$\text{BiOX}$ ( $X = \text{Cl}, \text{Br}, \text{I}$ ) photocatalytic nanomaterials: Applications for fuels and environmental management. <i>Advances in Colloid and Interface Science</i> , 2018, 254, 76-93.	7.0	422
103	Efficient degradation of sulfamethazine in simulated and real wastewater at slightly basic pH values using Co-SAM-SCS/ $\text{H}_2\text{O}_2$ Fenton-like system. <i>Water Research</i> , 2018, 138, 7-18.	5.3	198
104	Tween 80 surfactant-enhanced bioremediation: toward a solution to the soil contamination by hydrophobic organic compounds. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 17-30.	5.1	80
105	Nanoscale zero-valent iron coated with rhamnolipid as an effective stabilizer for immobilization of Cd and Pb in river sediments. <i>Journal of Hazardous Materials</i> , 2018, 341, 381-389.	6.5	248
106	White rot fungi and advanced combined biotechnology with nanomaterials: promising tools for endocrine-disrupting compounds biotransformation. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 671-689.	5.1	54
107	Rhamnolipid stabilized nano-chlorapatite: Synthesis and enhancement effect on Pb-and Cd-immobilization in polluted sediment. <i>Journal of Hazardous Materials</i> , 2018, 343, 332-339.	6.5	139
108	Highly porous carbon nitride by supramolecular preassembly of monomers for photocatalytic removal of sulfamethazine under visible light driven. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 202-210.	10.8	478

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109	Remediation of contaminated soils by biotechnology with nanomaterials: bio-behavior, applications, and perspectives. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 455-468.	5.1	158
110	Enhanced bioremediation of 4-nonylphenol and cadmium co-contaminated sediment by composting with <i>Phanerochaete chrysosporium</i> inocula. <i>Bioresource Technology</i> , 2018, 250, 625-634.	4.8	40
111	Transcriptome analysis reveals novel insights into the response to Pb exposure in <i>Phanerochaete chrysosporium</i> . <i>Chemosphere</i> , 2018, 194, 657-665.	4.2	12
112	Electrochemical Aptasensor Based on Sulfur <sup>2+</sup> -Nitrogen Codoped Ordered Mesoporous Carbon and Thymine <sup>2+</sup> -Thymine Mismatch Structure for Hg <sup>2+</sup> Detection. <i>ACS Sensors</i> , 2018, 3, 2566-2573.	4.0	137
113	Alkali Metal-Assisted Synthesis of Graphite Carbon Nitride with Tunable Band-Gap for Enhanced Visible-Light-Driven Photocatalytic Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15503-15516.	3.2	188
114	Microplastic pollution in surface sediments of urban water areas in Changsha, China: Abundance, composition, surface textures. <i>Marine Pollution Bulletin</i> , 2018, 136, 414-423.	2.3	183
115	Recent advances in sensors for tetracycline antibiotics and their applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 109, 260-274.	5.8	190
116	Graphitic Carbon Nitride-Based Heterojunction Photoactive Nanocomposites: Applications and Mechanism Insight. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 21035-21055.	4.0	266
117	Facile Hydrothermal Synthesis of $ZrO_2$ -Scheme $Bi_2O_3/Fe_3O_4/WO_6$ Heterojunction Photocatalyst with Enhanced Visible Light Photocatalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 18824-18836.	4.0	397
118	Responses of microbial carbon metabolism and function diversity induced by complex fungal enzymes in lignocellulosic waste composting. <i>Science of the Total Environment</i> , 2018, 643, 539-547.	3.9	24
119	Nanoremediation of cadmium contaminated river sediments: Microbial response and organic carbon changes. <i>Journal of Hazardous Materials</i> , 2018, 359, 290-299.	6.5	110
120	Performance and toxicity assessment of nanoscale zero valent iron particles in the remediation of contaminated soil: A review. <i>Chemosphere</i> , 2018, 210, 1145-1156.	4.2	149
121	Difunctional chitosan-stabilized Fe/Cu bimetallic nanoparticles for removal of hexavalent chromium wastewater. <i>Science of the Total Environment</i> , 2018, 644, 1181-1189.	3.9	76
122	Chromosomal expression of CadR on <i>Pseudomonas aeruginosa</i> for the removal of Cd(II) from aqueous solutions. <i>Science of the Total Environment</i> , 2018, 636, 1355-1361.	3.9	64
123	A visual application of gold nanoparticles: Simple, reliable and sensitive detection of kanamycin based on hydrogen-bonding recognition. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 946-954.	4.0	170
124	The effects of rice straw biochar on indigenous microbial community and enzymes activity in heavy metal-contaminated sediment. <i>Chemosphere</i> , 2017, 174, 545-553.	4.2	267
125	The rapid degradation of bisphenol A induced by the response of indigenous bacterial communities in sediment. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3919-3928.	1.7	34
126	Effects of calcium at toxic concentrations of cadmium in plants. <i>Planta</i> , 2017, 245, 863-873.	1.6	169



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127	Titanium dioxide nanotube arrays with silane coupling agent modification for heavy metal reduction and persistent organic pollutant degradation. <i>New Journal of Chemistry</i> , 2017, 41, 4377-4389.	1.4	22
128	Chitosan-wrapped gold nanoparticles for hydrogen-bonding recognition and colorimetric determination of the antibiotic kanamycin. <i>Mikrochimica Acta</i> , 2017, 184, 2097-2105.	2.5	79
129	Precipitation, adsorption and rhizosphere effect: The mechanisms for Phosphate-induced Pb immobilization in soils—A review. <i>Journal of Hazardous Materials</i> , 2017, 339, 354-367.	6.5	327
130	Lead-induced oxidative stress and antioxidant response provide insight into the tolerance of <i>Phanerochaete chrysosporium</i> to lead exposure. <i>Chemosphere</i> , 2017, 187, 70-77.	4.2	58
131	Stabilized Nanoscale Zerovalent Iron Mediated Cadmium Accumulation and Oxidative Damage of <i>Boehmeria nivea</i> (L.) Gaudich Cultivated in Cadmium Contaminated Sediments. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11308-11316.	4.6	248
132	Sorptive removal of ionizable antibiotic sulfamethazine from aqueous solution by graphene oxide-coated biochar nanocomposites: Influencing factors and mechanism. <i>Chemosphere</i> , 2017, 186, 414-421.	4.2	158
133	Effect of <i>Phanerochaete chrysosporium</i> inoculation on bacterial community and metal stabilization in lead-contaminated agricultural waste composting. <i>Bioresource Technology</i> , 2017, 243, 294-303.	4.8	121
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147	Efficacy of carbonaceous nanocomposites for sorbing ionizable antibiotic sulfamethazine from aqueous solution. <i>Water Research</i> , 2016, 95, 103-112.	5.3	326
148	Nanoporous Au-based chronocoulometric aptasensor for amplified detection of Pb <sup>2+</sup> using DNAzyme modified with Au nanoparticles. <i>Biosensors and Bioelectronics</i> , 2016, 81, 61-67.	5.3	126
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